



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date: May, 30, 2008

Product Name: SAW Filter 915.3 MHz SMD 3.8X3.8 mm

TST Parts No.: TA0832A

Customer Parts No.: \_\_\_\_\_

Company: \_\_\_\_\_

Division: \_\_\_\_\_

Approved by : \_\_\_\_\_

Date: \_\_\_\_\_

Checked by: \_\_\_\_\_ Bob Chau

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 5, 30, 2008



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## SAW Filter 915.3 MHz

MODEL NO.:TA0832A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

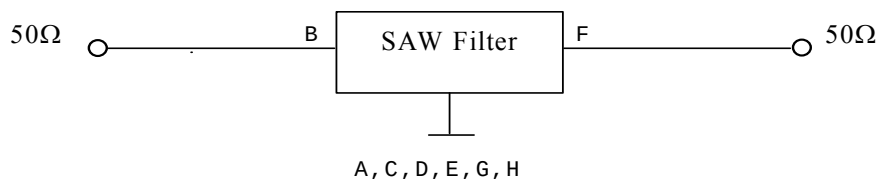
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS: ( Ambient temperature : 25°C )

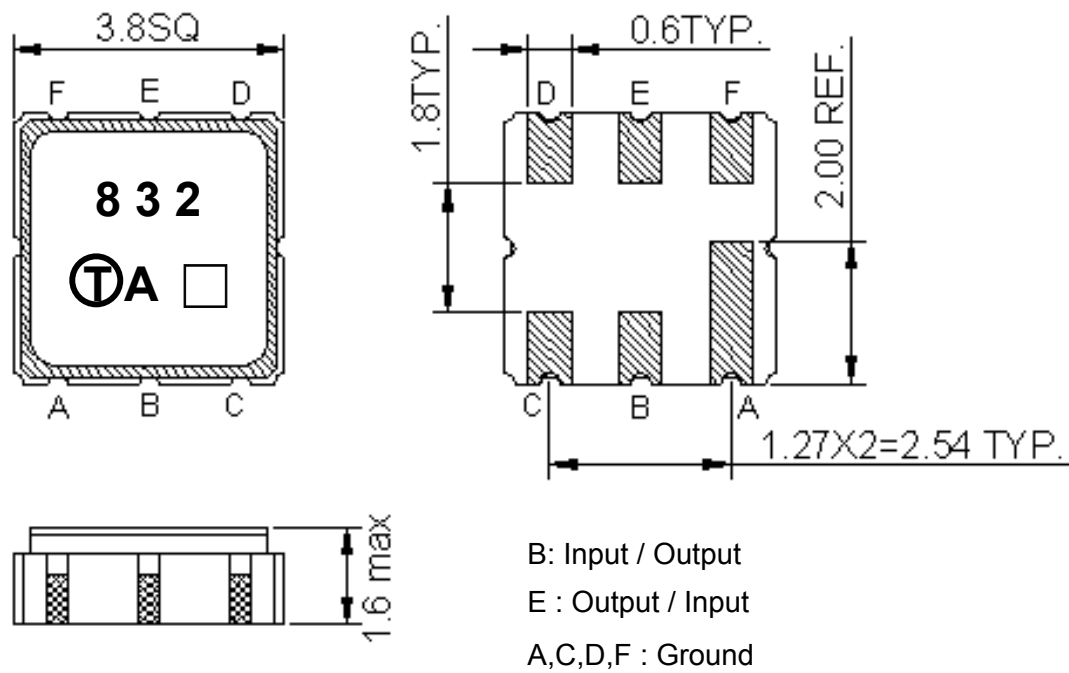
| Item                                      | Unit   | Min.  | Type. | Max.  | Note |
|-------------------------------------------|--------|-------|-------|-------|------|
| Center Frequency Fc                       | MHz    | -     | 915.3 | -     | -    |
| Insertion Loss at Fc IL                   | dB     | -     | 1.3   | 3.5   | -    |
| Lower 3 dB Band Edge                      | MHz    | -     | 901   | 904.4 | -    |
| Upper 3 dB Band Edge                      | MHz    | 926.2 | 928.5 | -     | -    |
| Amplitude Variation (904.4 ~ 926.2 MHz)   | dB     | -     | 1.5   | 3     | -    |
| Group Delay Variation (904.4 ~ 926.2 MHz) | ns     | -     | 35    | 80    | -    |
| Attenuation (Reference level from IL)     |        |       |       |       |      |
| 200 ~ 888.3 MHz                           | dB     | 35    | 43    | -     | -    |
| 888.3 ~ 894 MHz                           | dB     | 15    | 21    | -     | -    |
| 942.3 ~ 1400 MHz                          | dB     | 40    | 46    | -     | -    |
| Temperature Coefficient of Frequency      | Ppm/°C | -     | -36   | -     | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

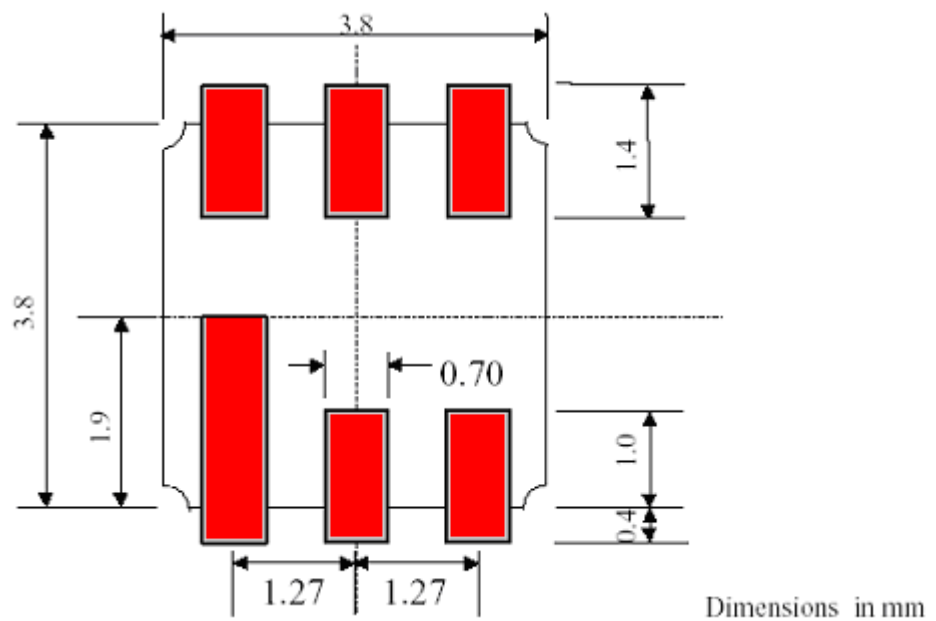


#### D.OUTLINE DRAWING:

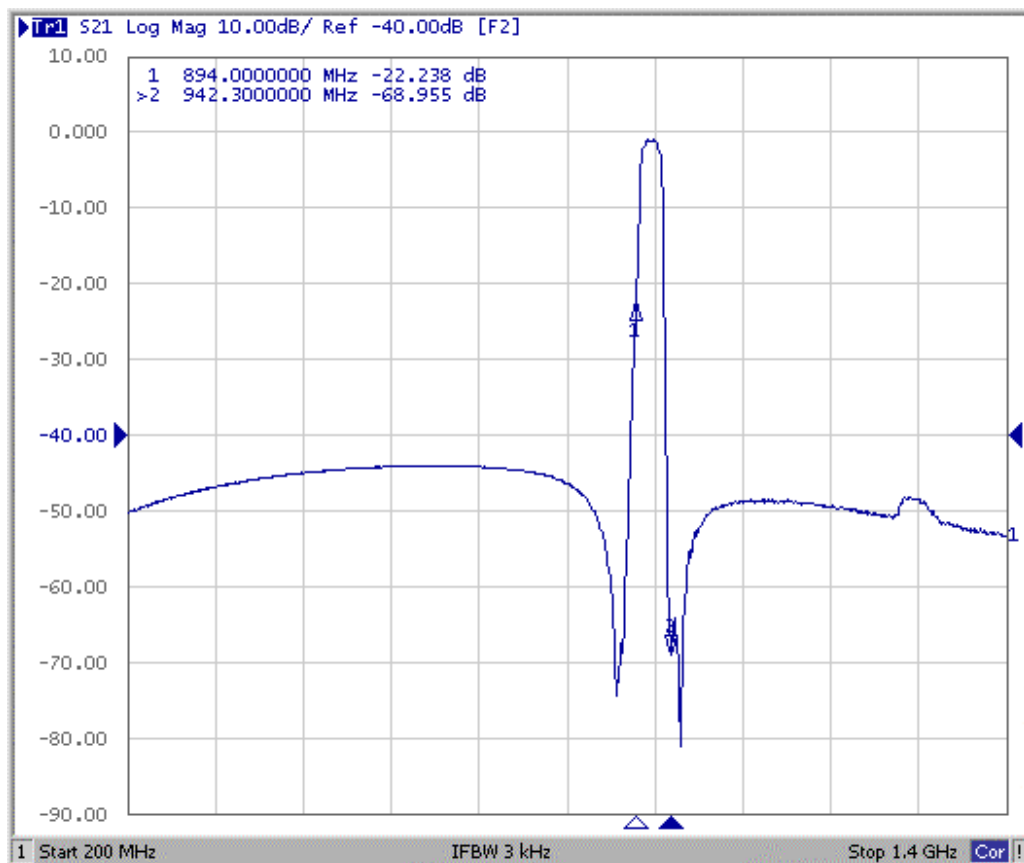
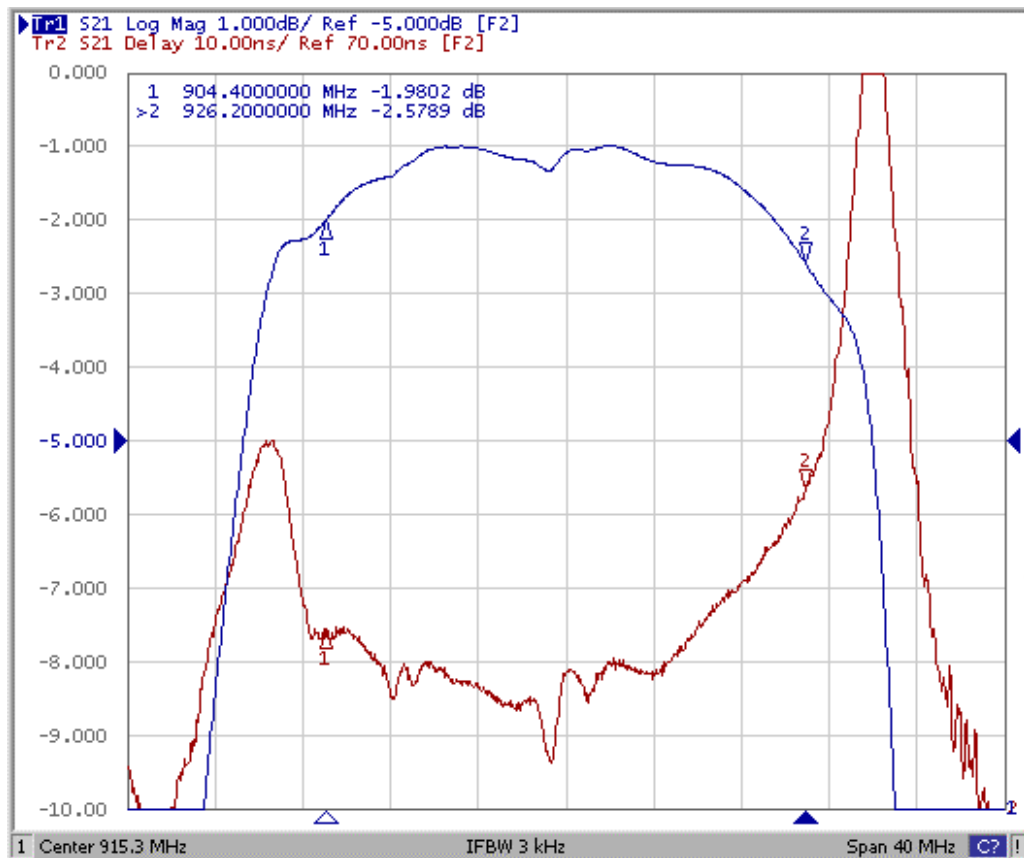


☐ : Date Code (Follow the table provided by planner each year.)

### E. PCB Footprint:

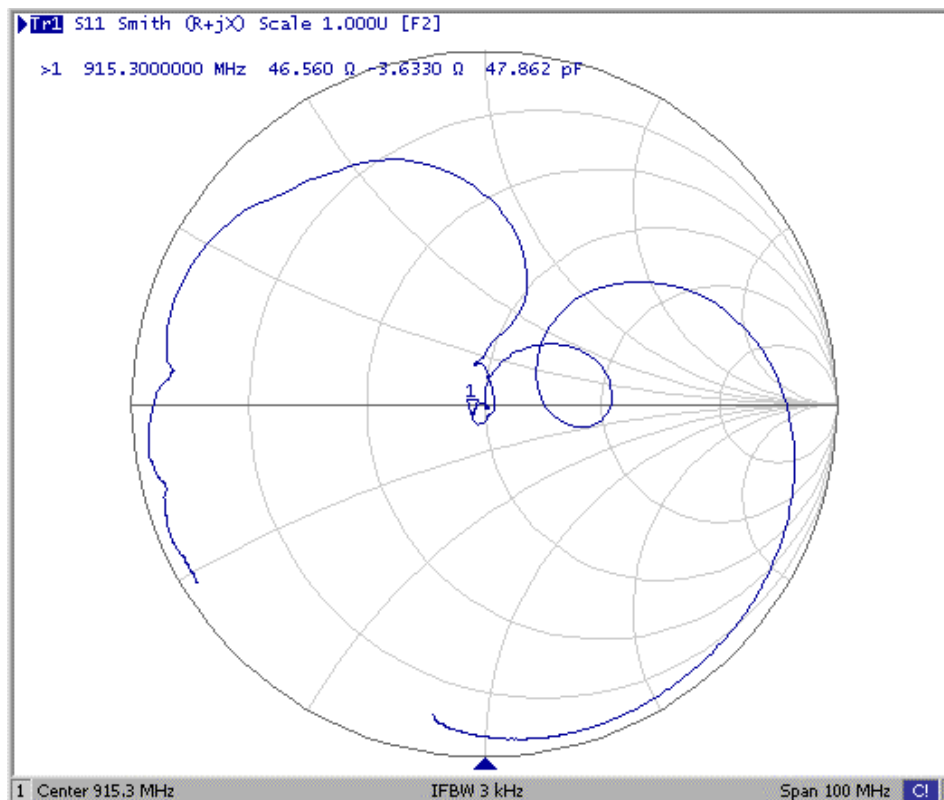
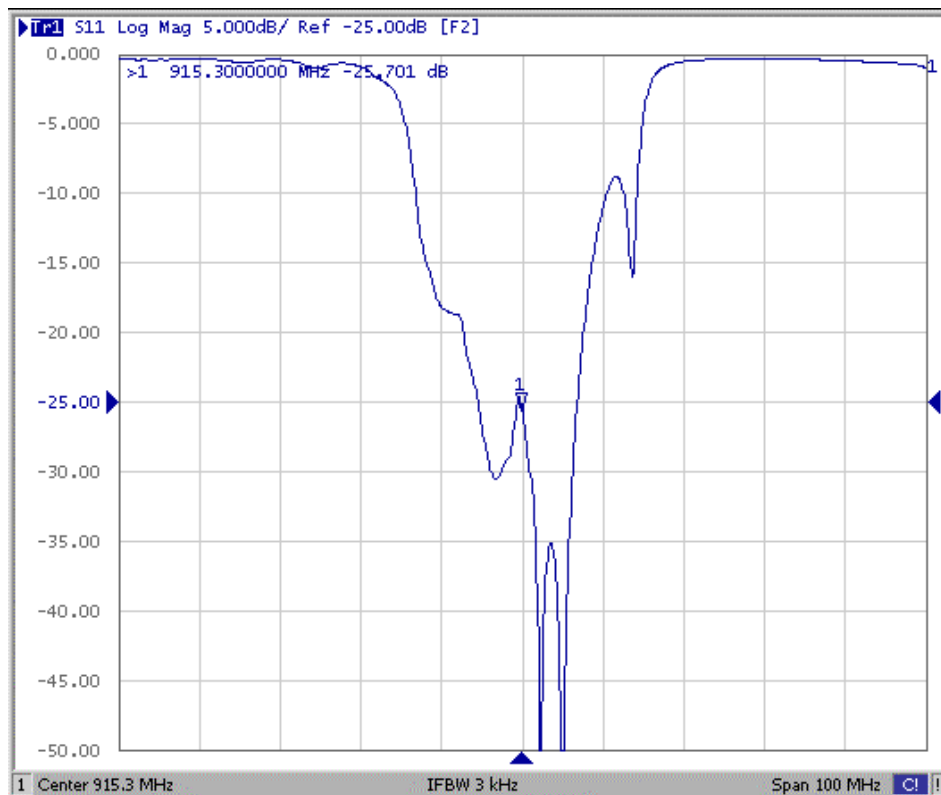


## F. Frequency Characteristics :

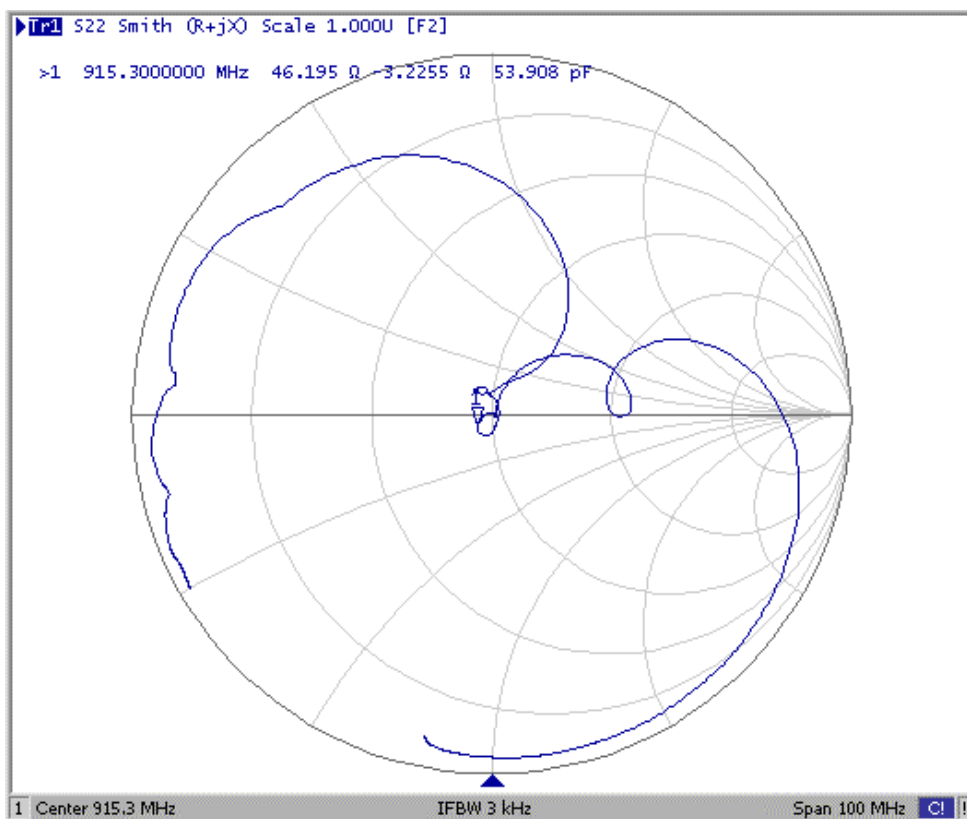
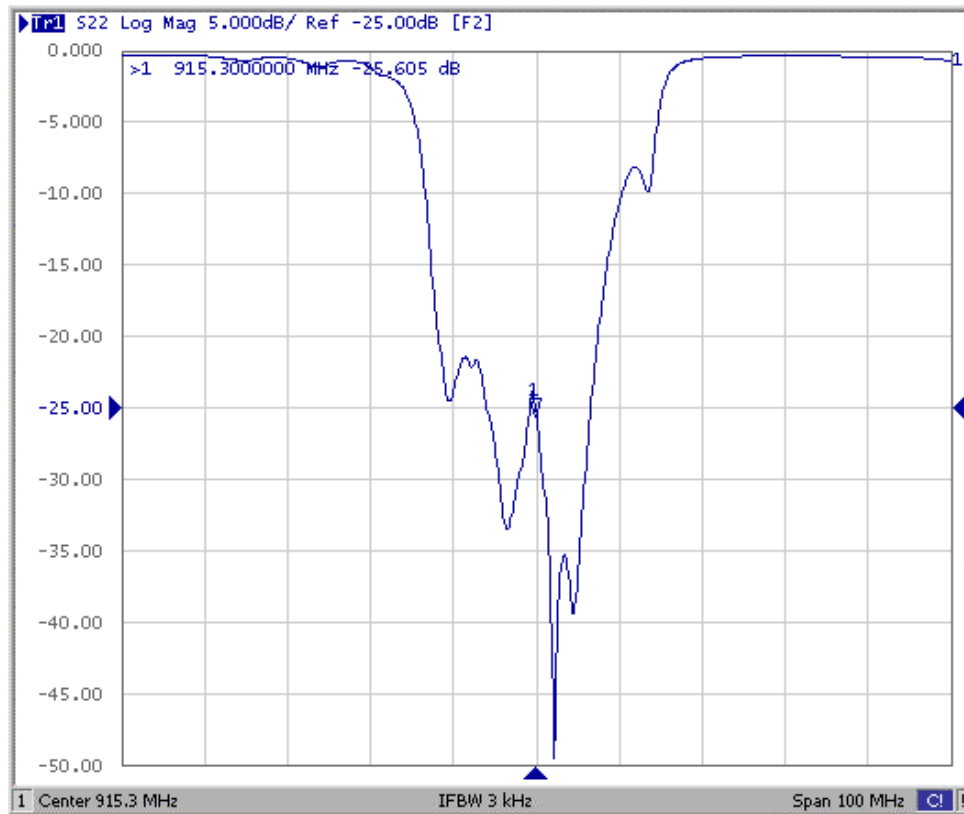


## Reflection Functions :

S11



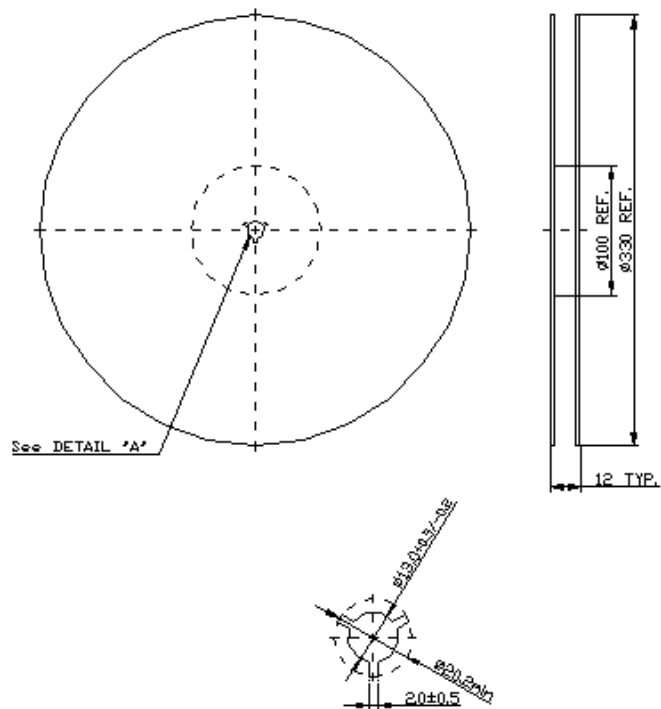
## S22



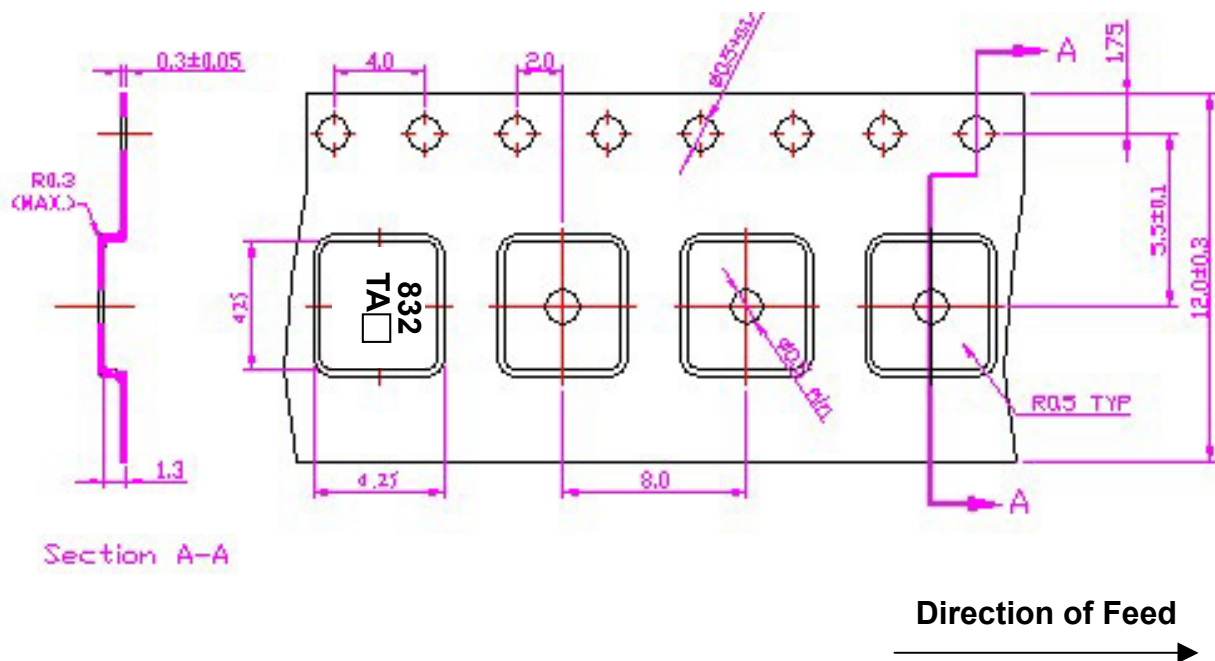
## G. PACKING:

### 1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000 )



### 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

